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FULBRIGHT & JAWORSKI L.L.P.

A REGISTERED LIMITED LIABILITY PARTNERSHIP
600 CONGRESS AVENUE, SUITE 2400
AUSTIN, TEXAS 78701-3271
WWW.FULBRIGHT.COM

DAVID L. PARKER
PARTNER
DPARKER@FULBRIGHT.COM

DIRECT DIAL:

(512) 536-3055

TELEPHONE: FACSIMILE:

(512) 474-5201 (512) 536-4598

February 18, 2005

CERTIFICATE OF MAILING 37 C.F.R 1.8

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February 18, 2005

Date

David L. Parker

MS AMENDMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

RE:

U.S. Patent Application No. 10/801,277 entitled "METHODS OF TREATING

AUTOIMMUNE DISEASES USING TYPE ONE INTERFERONS" - Staley A. Brod

Our reference: CLFR:115USC1 Client reference: D5716CIP4/C

Sir:

Enclosed for filing in the above-referenced patent application is an Information Disclosure Statement, Form PTO-1449, and references A1-A7, B1-B3, C1-C3, C6-C13, C16-C18, C21, C23-C25, C27-C30, C32-C37, C40-C46, and C49.

No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to the enclosed materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CLFR:115USC1.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,

David L. Parker Reg. No. 32,165

DLP/kvp

Encl.: as noted

25503890.1





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Staley A. Brod

Serial No.: 10/801,277

Filed: March 16, 2004

For: METHODS OF TREATING

AUTOIMMUNE DISEASES USING TYPE

ONE INTERFERONS

Group Art Unit: 1761

Examiner: Unknown

Atty. Dkt. No.: CLFR:115USC1

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February 18, 2005

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INFORMATION DISCLOSURE STATEMENT

MS AMENDMENT

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be

an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/CLFR:115USC1.

This application is a continuation-in-part application of Serial No. 08/946,710, filed October 8, 1997 which is a continuation-in-part application of Serial No. 08/631,470, filed April 12, 1996 which is a continuation-in-part application of Serial No. 08/408,271, filed March 24, 1995 which is a continuation-in-part application of Serial No. 08/226,631, filed April 12, 1994 and is relied upon for an earlier filing date under 35 U.S.C. § 120. In accordance with Rule 37 C.F.R. § 1.98(d) only copies of those documents not previously cited and submitted to the Patent and Trademark Office in the above referenced prior application Serial Numbers are enclosed for the convenience of the Examiner.

Applicant respectfully requests that the listed documents be made of record in the present

case.

Respectfully submitted,

David L. Parker Reg. No. 32,165

Attorney for Applicant

FULBRIGHT & JAWORSKI L.L.P. 600 Congress Avenue, Suite 2400 Austin, Texas 78701 (512) 474-5201

Date:

February 18, 2005

Form PTO-1449 (modified)

Atty. Docket No. CLFR:115USC1

Serial No. 10/801,277

Sist of Patents and Publications for Applicant's

Applicant
Staley A. Brod

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Filing Date: March 16, 2004 Group: 1761

U.S. Patent Documents

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Foreign Patent Documents

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Other Art See Page 1

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	4,409,243	10/11/83	Lieb	424	330	11/9/81
	A2	4,462,985	7/31/84	Cummins	424	85	9/7/82
	A3	4,497,795	2/5/85	Cummins	424	85.6	12/13/82
	A4	5,019,382	5/28/91	Cummins	424	85.4	1/17/90
	A5	5,093,338	3/3/92	Byrne	514	291	4/23/91
	A6	5,624,895	4/29/97	Sobel	514	8	2/18/94
	A7	5,780,021	7/14/98	Sobel	424	85.4	3/5/93

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1	WO 94/20122	9/15/94	WIPO			English
	B2	WO 96/28183	9/19/96	WIPO			English
	В3	WO 83/03411	10/13/83	WIPO			English

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

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EXAMINER:

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Form PTO-1449 (modified)		Atty. Docket No.	Serial No.
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List of Patents and Publications for	Applicant's	Applicant	***
		Staley A. Brod	
INFORMATION DISCLOSURE ST	ATEMENT		
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U.S. Patent Documents Foreign		atent Documents	Other Art
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	C21	Giron et al., "Effect of interferons and poly(I):poly(C) on the pathogenesis of the diabetogenic variant of encephalomyocarditis virus in different mouse strains," J. Interferon Res, .8(6):745-753. 1988.
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	C25	Higgins et al., "Suppression of experimental autoimmune encephalomyelitis by oral administration of myelin basic protein and its fragments," J. Immunol. 140:440-445, 1988.
	C26	Horisberger, "MX protein: function and mechanism of action, <i>Biotechnolgy</i> , Ciba-Geigy Ltd., CH-4002 Basel, Switzerland.
	C27	Hutchison et al., "Chronic recurrent aphthous stomatitis: oral treatment with low-dose interferon alpha," Mol. Biother., 2:160-164, 1990.
	C28	Koech et al., "Efficacy of Kemron (low dose oral natural human interferon alpha) in the management of HIV-1 infection and acquired immune deficiency syndrome (AIDS)," East Afr. Med. J., 67(7 Supp 2):SS64-70, 1990.
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	C33	Liu et al., "Accumulation of protein O-GlcNAc modification inhibits proteasomes in the brain and coincides with neuronal apoptosis in brain areas with high O-GlcNAc metabolism," J. Neurochem,. 89(4):1044-1055.
	C34	Mashkovskii et al., "Drugs," Moscow, Meditsina, 2:389-392, 1993.
	C35	Mowat et al., "The regulation of immune responses to dietary protein antigens," Immun. Today, 8:93-98, 1987.
	C36	Nagler et al., "Immunotherapy with recombinant human interleukin-2 and recombinant interferon-alpha in lymphoma patients postautologous marrow or stem cell transplant," Blood, 89:3951-5959.
,	C37	Owens et al., "The immunology of multiple sclerosis and its animal model, experimental allergic encephalomyelitis," Neurol. Clin, 13(1):51-73, 1995.
	C38	Paulesu et al., "Oral administration of human recombinant interferon-a2 in rats," Elsevier Science Publishers B.V. (Biomedical Division), 46:199-202, 1988.
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	C40	Satoh et al., "Suppression of late asthmatic response by low-dose oral administration of interferon-beta in the guinea pig model of asthma," J. Interferon Cytokine Res., 19:887-894, 1999.
	C41	Schafer et al., "Interferon administered orally: protection of neonatal mice from lethal virus challenge," Science, 176:1326-1327, 1972.
	C42	Shibutani et al., "Toxicity studies of human fibroblast interferon beta (I) acute and subacute toxicity studies in mice and rats," <i>Iyakuhin Kenkyu</i> , 18:571-582. (1987) (Abstract)
	C43	Shim et al., "Administration route dependent bioavailability of interferon-α and effect of bile salts on the nasal absorption," Drug Dev. Indus. Pharm., 19:1183-1199. 1993.
	C44	Thompson et al., "Gastric administration of type II collagen delays the onset and severity of collagen-induced arthritis in rats," Clin. Exp. Immunol., 64(3):581-586, 1985.
	C45	Vial et al., "Clinical toxicity of the interferons," Drug Saf., 10(2):115-150, 1994.
	C46	Wedner et al., Basic Clinical Immunology, 7th edition Chap 34, 1991

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Exam. Init.	Ref. Des.	Citation			
	C47	Wills et al., "Pharmacokinetics of recombinant alpha A interferon following IV infusion and bolus, IM, and PO administration to African green monkeys," Journal of Interferon Research, 4(3):399-409, 1984.			
	C48	Witt et al., "Absence of biological effects of orally administered interferon-\beta ser," Journal of Interferon Research, 12:411-413, 1992.			
	C49	Yershov et al., "Interferon status in different diseases," Voprosy Virusologii, 35:444-448, 1990 (Russian)			

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Examiner: Date Considered: